



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/692,623

10/24/2003

Nitya Narasimhan

CS21925RA

8794

20280 7590 09/18/2009

MOTOROLA INC  
600 NORTH US HIGHWAY 45  
W4 - 39Q  
LIBERTYVILLE, IL 60048-5343

EXAMINER

HANNETT, JAMES M

ART UNIT

PAPER NUMBER

2622

NOTIFICATION DATE

DELIVERY MODE

09/18/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DOCKETING.LIBERTYVILLE@MOTOROLA.COM  
ADB035@Motorola.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/692,623	<b>Applicant(s)</b> NARASIMHAN, NITYA	
	<b>Examiner</b> JAMES M. HANNETT	<b>Art Unit</b> 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 August 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16-30 is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/23/2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                      |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____                                                          | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- 1:** Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 7,079,945 Kaplan in view of USPN 7,126,583 B1 Breed.
- 2:** As For Claim 1, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 a display of a wireless communication device for providing guidance about monitoring devices (cell phone towers) within a surrounding area (geographic area of map), the display comprising: a central cell representing an area of the wireless communication device ( area vehicle is currently in); and a plurality of surrounding cells representing areas surrounding the wireless communication device (adjacent areas of coverage see Figure 9), each surrounding cell having an appearance representing to a media coverage capability of wireless media devices within the respective surrounding cell. Furthermore, Kaplan teaches that the coverage map can represent the availability of several types of wireless data services available such as real-time traffic updates, weather updates, points of

Art Unit: 2622

interest updates etc. However, does not teach that one of the available services can be the availability and display of TV broadcasts.

Breed teaches on Column 10, Lines 17-56 and depicts in Figures 3A-3G the use of a display system for a car that receives data for several types of services including weather, GPS, Traffic and video in the form of a TV broadcast.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the coverage map of available services in the invention of Kaplan to include a service of displaying and receiving a TV broadcast in order to improve the driving experience for the passengers.

3: In Regards to Claim 2, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein each surrounding cell (region of coverage) includes a first color if the coverage capability is below a particular threshold value (service of no service), and each surrounding cell includes a second color if the coverage capability is at or above the particular threshold value.

4: As For Claim 3, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein each surrounding cell (region of coverage) has a first appearance if a quantity of wireless media devices is below a particular threshold value, and each surrounding cell has a second appearance if the quantity of wireless media devices is at or above the threshold value.

Art Unit: 2622

5: In Regards to Claim 4, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the central cell (current location indicated in Figure 9) has a default appearance representing a default coverage capability of the wireless communication device within the central cell.

6: As For Claim 5, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the central cell and the plurality of central cells form a symmetric grid on the display.

7: In Regards to Claim 6, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 A wireless communication device for providing guidance to a user about surrounding conditions comprising: a device discovery mechanism (navigation system receives data related to coverage areas) configured to identify surrounding devices (cell towers) in a vicinity of the wireless communication device (navigation system); a processor, coupled to the device discovery mechanism (navigation system), configured to determine a coverage capability for each area surrounding the wireless communication device based on the surrounding devices (cell tower capabilities) in each area; and a display (230), coupled to the processor, configured to visually provide a representation of the media coverage capability of each area surrounding the wireless communication device. Furthermore, Kaplan teaches that the coverage map can represent the availability of several types of wireless data services available such as real-time traffic updates, weather updates,

Art Unit: 2622

points of interest updates etc. However, does not teach that one of the available services can be the availability and display of TV broadcasts.

Breed teaches on Column 10, Lines 17-56 and depicts in Figures 3A-3G the use of a display system for a car that receives data for several types of services including weather, GPS, Traffic and video in the form of a TV broadcast.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have the coverage map of available services in the invention of Kaplan to include a service of displaying and receiving a TV broadcast in order to improve the driving experience for the passengers.

8: As For Claim 7, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the coverage capability of each area surrounding the wireless communication device (current location) is determined based on a quantity of surrounding devices (cell transmitters) in each area.

9: In Regards to Claim 8, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the coverage capability of each area surrounding the wireless communication device (navigation system) is determined based on a capability of surrounding devices in each area.

10: As For Claim 9, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the display differentiates between areas having differing coverage capabilities.

Art Unit: 2622

11: In Regards to Claim 10, Kaplan teaches on Column 5, Lines 20-45, Column 10, Lines 15-45 and Column 11, Lines 1-25 and depicts in Figures 9 and 10 wherein the display provides a central cell (current location) representing an area of the wireless communication device (navigation system) and a plurality of surrounding cells representing the areas surrounding the wireless communication device.

12: As For Claim 11, Claim 11 is rejected for reasons discussed related to Claim 6, since Claim 6 is substantively equivalent to Claim 11.

13: In Regards to Claim 12, Claim 12 is rejected for reasons discussed related to Claim 7, since Claim 7 is substantively equivalent to Claim 12.

14: As For Claim 13, Claim 13 is rejected for reasons discussed related to Claim 8, since Claim 8 is substantively equivalent to Claim 13.

15: In Regards to Claim 14, Claim 14 is rejected for reasons discussed related to Claim 9, since Claim 9 is substantively equivalent to Claim 14.

16: As For Claim 15, Claim 15 is rejected for reasons discussed related to Claim 10, since Claim 10 is substantively equivalent to Claim 15.

***Allowable Subject Matter***

17: Claims 16-30 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not teach A communication server for receiving data feeds from cooperative wireless devices within a particular area comprising: a network interface configured to receive at least one data feed associated with a location of a first wireless device; a processor, coupled to the network interface, configured to associate

Art Unit: 2622

each data feed with an area adjacent to the first wireless device; and a display, coupled to the processor, configured to visually provide a plurality of surrounding cells representing areas surrounding the first wireless device, at least one surrounding cell showing a data feed of the at least one data feed, each data feed being provided by a second wireless device located in an area corresponding to the respective surrounding cell.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M. Hannett whose telephone number is 571-272-7309. The examiner can normally be reached on 8:00 am to 5:00 pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Chan can be reached on 571-272-3022 The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/James M. Hannett/  
Primary Examiner  
Art Unit 2622



Application/Control Number: 10/692,623  
Art Unit: 2622

Page 8

JMH  
September 16, 2009